

Title (en)  
Apparatus and method for determination of an audibility range

Title (de)  
Vorrichtung und Verfahren zur Bestimmung eines Hörbereichs

Title (fr)  
Dispositif et méthode pour détermination d'une gamme d'audibilité

Publication  
**EP 1516584 B1 20090107 (DE)**

Application  
**EP 04021342 A 20040908**

Priority  
DE 10343007 A 20030917

Abstract (en)  
[origin: EP1516584A1] The device has a personal computer (PC) (6) to read a measured sound pressure level from a hearing aid. A residual volume in an auditory canal of a patient determines the sound pressure level in front of an eardrum. An adjustment software of the PC calculates the level at the eardrum from the measured pressure for determining a masking threshold. A lower limit of an established hearing range is displayed graphically on the PC. An independent claim is also included for a method for determining a hearing range of a patient.

IPC 8 full level  
**A61B 5/12** (2006.01); **H04R 25/00** (2006.01); **H04R 29/00** (2006.01)

CPC (source: EP US)  
**A61B 5/121** (2013.01 - EP US); **H04R 25/70** (2013.01 - EP US)

Citation (examination)  
US 4809708 A 19890307 - GEISLER C DANIEL [US], et al

Cited by  
WO2014005622A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1516584 A1 20050323; EP 1516584 B1 20090107**; AT E419790 T1 20090115; DE 10343007 A1 20050421; DE 502004008809 D1 20090226; US 2005059904 A1 20050317

DOCDB simple family (application)  
**EP 04021342 A 20040908**; AT 04021342 T 20040908; DE 10343007 A 20030917; DE 502004008809 T 20040908; US 94459204 A 20040917